



POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUN MICROSYSTEMS, INC., ("assignee"), a Delaware corporation having a place of business at 4150 Network Circle, Santa Clara, California 95054, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment documents that evidence the placement of title in the assignee, true and correct copies of which are attached hereto, and understands and believes that these assignment documents have been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints the following attorneys and/or agents in connection with the patent applications and patents identified in Appendix A, owned by SUN MICROSYSTEMS, INC., that are filed with the United States Patent and Trademark Office:

Andrew C. Chen	Reg. No. 43,544	Noreen A. Krall	Reg. No. 39,734
Bernice B. Chen	Reg. No. 42,403	Elaine K. Lee	Reg. No. 41,936
Arien C. Ferrell	Reg. No. 46,696	Sean P. Lewis	Reg. No. 42,798
Marilyn E. Glaubensklea	Reg. No. 35,521	Jeffrey L. Myers	Reg. No. 44,252
Anirma R. Gupta	Reg. No. 38,275	Joseph A. Twarowski	Reg. No. 42,191

each of said attorneys being employed by Sun Microsystems; and

Mark K. Brightwell	Reg. No. 47,446	Lawrence J. Merkel	Reg. No. 41,191
Kay A. Colapret	Reg. No. 52,759	Eric B. Meyertons	Reg. No. 34,876
Stephen J. Curran	Reg. No. 50,664	Neal E. Persky	Reg. No. 53,452
Mark R. DeLuca	Reg. No. 44,649	Liza Philip	Reg. No. 51,352
Heather L. Flanagan	Reg. No. 54,101	David W. Quimby	Reg. No. 39,338
Russell Henrichs	Reg. No. 50,354	Rory D. Rankin	Reg. No. 47,884
Erik A. Heter	Reg. No. 50,652	Gareth Sampson	Reg. No. 52,191
Jeffrey C. Hood	Reg. No. 35,198	Chris Thompson	Reg. No. 43,188
B. Noël Kivlin	Reg. No. 33,929	Mark S. Williams	Reg. No. 50,658
Robert C. Kowert	Reg. No. 39,255		

each of said attorneys or agents being a member or an associate of the firm of Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C., as its attorney or agent for so long as they remain with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to:

B. Noël Kivlin
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.
P.O. Box 398
Austin, Texas 78767-0398
(512) 853-8800

Assignee of Interest

SUN MICROSYSTEMS, INC.
4150 Network Circle
Santa Clara, California 95054

Dated: _____

By: _____

Andrew C. Chen
Reg. No.: 43,544
Patent Counsel

APPENDIX A

MHKKG Atty Ref	Sun Ref	Filed/ Issued Date	Serial/ Patent No.	Title	Inventors
95900	P4883	F 2/20/01	09/788,867	Fault-Tolerant Assembly of Printed Circuit Board	Kim, Cook
96100	P5302	5/22/02	10/155,406	Method and Apparatus for Integration of URL Into Standard File System	Boubonnais
96200	P6940	F 12/14/01 I 4/20/04	10/021,984 6,723,915	EMI-Shielding Riser Card for a Computer Chassis	Radu, Brovald, Luckenbihl
96400	P5326	10/25/00	09/697,731	Method for Superimposing a Sequence Number in an Error Detection Code in a Data Network	Cassiday, Rettberg, Satterfield, Moser
96500	P5328	F 10/25/00	09/697,730	High Performance Transmission Link and Interconnect	Cassiday, Satterfield
96600	P5329	F 10/25/00	09/697,663	Automatic Link Failover in Data Networks	Cassiday, Satterfield



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 21, 2001

PTAS

BEYER WEAVER & THOMAS, LLP
RUPAK NAG
P.O. BOX 778
BERKELEY, CA 94704-0778



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**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/30/2001

REEL/FRAME: 011765/0809
NUMBER OF PAGES: 3

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNOR AND ASSIGNEE NAMES PREVIOUSLY RECORDED ON REEL 011433, FRAME 08300.

ASSIGNOR:
CASSIDAY, DANIEL R.

DOC DATE: 12/20/2000

ASSIGNOR:
SATTERFIELD, DAVID L.

DOC DATE: 12/14/2000

ASSIGNEE:
SUN MICROSYSTEMS, INC.
901 SAN ANTONIO ROAD
PALO ALTO, CALIFORNIA 94303

SERIAL NUMBER: 09697663
PATENT NUMBER:

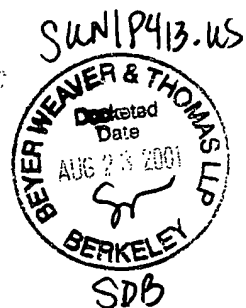
FILING DATE: 10/25/2000
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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05-09-2001



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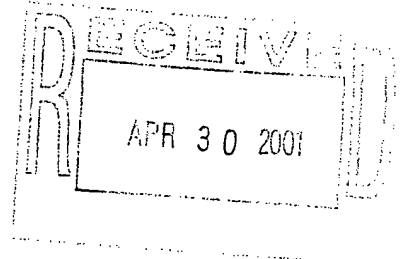
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To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
a) Daniel R. Cassiday
b) David L. Satterfield



2. Name and address of receiving party(ies):
a) Name: Sun Microsystems, Inc.
Address: 901 San Antonio Road, Palo Alto, California 94303

3. Nature of conveyance
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other ☐ License Agreement

Execution Date: Cassiday [December 20, 2000] and Satterfield [December 14, 2000]

4. Application Number(s) or Patent Number(s): 09/697,663

The title of the (new) application is: AUTOMATIC LINK FAILOVER IN DATA NETWORKS

5. Please send all correspondence concerning this (these) documents to:

Customer Number: 022434
BEYER WEAVER & THOMAS, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Phone (650) 961-8300
Fax (650) 961-8301

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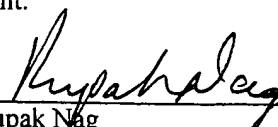
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☒ Any additional fees are authorized to be charged to Deposit Account No. 500388
(Order No. SUN1P413)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: April 23, 2001


Rupak Nag
Registration No. 37,495

05/08/2001 GTDN11 00000168 09697663

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ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

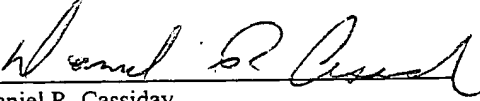
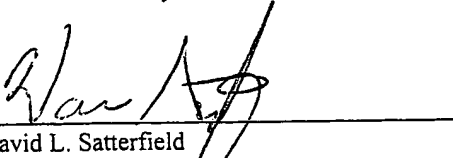
AUTOMATIC LINK FAILOVER IN DATA NETWORKS

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on October 25, 2000, and which bears the Application No. 09/697,663.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Sun Microsystems, Inc., a Delaware Corporation, having a principal place of business at 901 San Antonio Rd., Palo Alto, California, 94303, (hereinafter referred to as ("ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature:  Date: Dec 20, 2000
Typed Name: Daniel R. Cassidy
- 2) Signature:  Date: Dec 14, 2000
Typed Name: David L. Satterfield